

**ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM**

Invertebrate Abstract

Element Code: IILEP87091

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Agathymus baueri freemani*
COMMON NAME: Freeman's Agave Borer
SYNONYMS: *Agathymus freemani*
FAMILY: HesperIIDae

AUTHOR, PLACE OF PUBLICATION: Stallings, Turner and Stalling, 1960.

TYPE LOCALITY: Bagdad, Yavapai county, Arizona.

TYPE SPECIMEN:

TAXONOMIC UNIQUENESS: There are 10 species in this genus, 7 of which are located in Arizona.

DESCRIPTION: This borer is 2 ¼ to 2 3/8 inches (56-59 mm). The upper side is brownish black. The forewing cost and wing bases heavily over scaled with orange. In males, the spots are orange, small, and separate. Their spot band is narrow on both the forewing and the hind wing. The female is similar, but the band is slightly wider and the forewing spots 7 and 8 are wider than spot 9. The underside of the hind wing is dark gray with coarse light over scaling crossed by 2 dull orange bands.

AIDS TO IDENTIFICATION: The forewing cost and wing bases heavily over scaled with orange. In males, the spots are orange, small, and separate. Their spot band is narrow on both the forewing and the hind wing. The female is similar, but the band is slightly wider and the forewing spots 7 and 8 are wider than spot 9. The underside of the hind wing is dark gray with coarse light over scaling crossed by 2 dull orange bands.

ILLUSTRATIONS: Color drawing (Tilden, 1986: pl. 39).

TOTAL RANGE: West central Arizona (Bagdad, Kirkland, Hillside, Date Creek).

RANGE WITHIN ARIZONA: See "Total Range."

SPECIES BIOLOGY AND POPULATION TRENDS

BIOLOGY: Unknown

REPRODUCTION: They have one brood.

FOOD HABITS: *Agave deserti* and *Chrysanthra*.

HABITAT: For the species *Agathymus baueri* the habitat is desert, shrubland/chaparral, woodland-conifer, woodland-hardwood, woodland-mixed. Canyons and rocky slopes in desert mountains.

ELEVATION: Unknown

PLANT COMMUNITY: Unknown

POPULATION TRENDS: Unknown

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS:

STATE STATUS:

OTHER STATUS:

Forest Service Sensitive (USDA, FS Region 3
1999)

MANAGEMENT FACTORS: Unknown

PROTECTIVE MEASURES TAKEN: Unknown

SUGGESTED PROJECTS: Unknown

LAND MANAGEMENT/OWNERSHIP: Unknown

SOURCES OF FURTHER INFORMATION

REFERENCES:

Milne, L. M. 1980. National Audubon Society Field Guide to North American Insects and Spiders, Alfred A. Knopf, New York, New York. pp. 715.

NatureServe Explorer: An online encyclopedia of life [web application]. 2001. Version 1.6. Arlington, Virginia, USA: NatureServe. Available: <http://www.natureserve.org/explorer>. (Accessed: May 22, 2002).

Tilden, J.W. 1986. A Field Guide to Western Butterflies. Houghton Mifflin Co, Boston, MA. pp.210.

USDA, Forest Service Region 3. 1999. Regional Forester's Sensitive Species List.

MAJOR KNOWLEDGEABLE INDIVIDUALS:

ADDITIONAL INFORMATION:

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